

Converting Colors

XYZ(46.4638, 42.1819, 87.3554)

Have a look what the booklet for
XYZ(46.4638, 42.1819, 87.3554)
contains.

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Color

**XYZ(46.4907, 42.1409,
87.3450)**

Conversions

Conversions Part 1

Format	Color
Hex	AEA5EF
RGB	174, 165, 239
RGB Percent	68%, 65%, 94%
CMY	0.3176, 0.3529, 0.0627
CMYK	0.27, 0.31, 0.00, 0.06
HSL	247°, 70%, 79%
HSV	247°, 31%, 94%
XYZ	46.4907, 42.1409, 87.3450
YIQ	176.1270, -18.3900, 24.9220

Conversions

Conversions Part 2

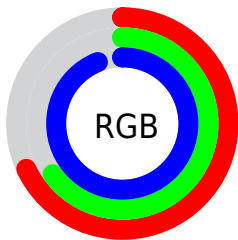
Format	Color
RYB	174, 165, 239
Decimal	11445743
CIELab	70.97, 19.09, -35.89
CIElCh	71, 40.651, 298.013
Yxy	42.1409, 0.2642, 0.2395
Android (android.graphics.Color)	4289635823 (0xFFAEA5EF)
YUV	176.1270, 30.9964, -1.8654
Hunter-Lab	64.9160, 14.2327, -34.3339

Details

The XYZ color **46.4907, 42.1409, 87.3450** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.2920, 81.2734, 47.5814**, and the grayscale version is **41.1845, 43.3293, 47.1857**.

A 20% lighter version of the original color is **76.5982, 75.3953, 105.1233**, and **22.1981, 19.2222, 47.3400** is the 20% darker color. If you saturate the color by 10%, you get **38.2590, 32.0855, 85.8387**, and if you desaturate by 10%, it is **56.2617, 54.1873, 89.1559**.

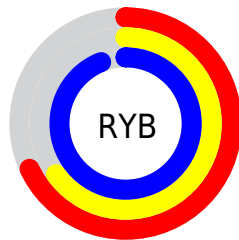
Distribution



Red (68%)

Green (65%)

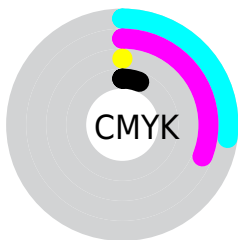
Blue (94%)



Red (68%)

Yellow (65%)

Blue (94%)

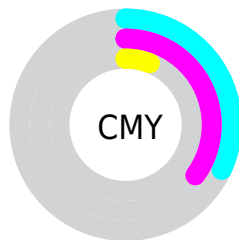


Cyan (27%)

Magenta (31%)

Yellow (0%)

Black (6%)



Cyan (32%)

Magenta (35%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4907, 42.1409, 87.3450 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.4907, 42.1409, 87.3450 by changing the saturation by 10% instead.

46.4907, 42.1409,
87.3450

46.4907, 42.1409,
87.3450

363.4609,
355.0667, 539.7015

32.8395, 29.2116,
65.2195

84.1763, 78.4128,
145.5480

22.1621, 19.2410,
47.1866

108.9413,
102.5243, 182.4626

14.0934, 11.8445,
32.8278

138.1417,
131.1319, 225.1440

8.2678, 6.6379,
21.7245

172.1428,
164.6201, 274.0107

4.3200, 3.2367,
13.4582

211.3099,
203.3733, 329.4813

1.8847, 1.2565,
7.6104

256.0083,

0.5679, 0.1072,

247.7759, 391.9742

3.7625

306.6036,
298.2122, 461.9081

■ 0.0000, 0.0000,
1.4960

■ 0.0000, 0.0000,
0.2149

■ 46.4907, 42.1409,
87.3450

■ 46.4907, 42.1409,
87.3450

■ 38.2590, 32.0855,
85.8387

■ 56.2617, 54.1873,
89.1559

■ 31.4835, 23.9089,
84.6176

■ 67.6408, 68.3191,
91.2839

■ 26.0796, 17.4951,
83.6644

■ 80.6979, 84.6305,
93.7441

■ 21.9525, 12.7132,
82.9589

■ 92.5801, 99.0120,
95.8938

■ 18.9947, 9.4140,
82.4780

■ 17.0805, 7.4202,
82.1941

■ 16.0888, 6.4943,
82.0676

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.6035, 42.1409, 94.1978



46.4907, 42.1409, 87.3450



52.1534, 42.1409, 68.6277

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.4907, 42.1409, 87.3450



47.3604, 42.1409, 20.9524



28.3914, 42.1409, 44.6024

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.4907, 42.1409, 87.3450



70.2920, 81.2734, 47.5814

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.9870, 42.1409, 28.8188



46.4907, 42.1409, 87.3450



40.5072, 42.1409, 17.7808

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.4907, 42.1409, 87.3450



52.6940, 42.1409, 30.4940



34.2400, 42.1409, 20.1944



29.6160, 42.1409, 65.7381

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.4907, 42.1409, 87.3450



54.1999, 42.1409, 54.0796



34.2400, 42.1409, 20.1944



28.6116, 42.1409, 38.5618

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.4921, 42.1426, 87.3460



81.1293, 82.5965, 106.2745



59.4971, 71.0303, 92.2364



16.9157, 17.1190, 22.6627



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.4921, 42.1426, 87.3460



47.7746, 41.3724, 100.0754



55.7954, 46.9386, 87.7814



15.0758, 15.3208, 19.8842



8.9481, 3.6183, 45.3547



0.8017, 0.3305, 3.7758

Inverse Universe

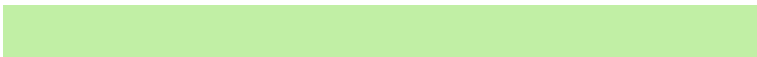
The Inverse Universe completely reimagines the original color for something new.



63.3357, 50.9756, 81.3647



70.1808, 53.1304, 91.7663



59.7451, 75.8363, 47.0879



16.3667, 15.9964, 19.4870



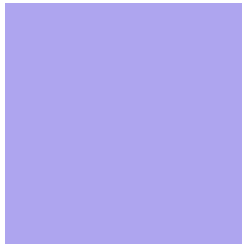
26.1283, 12.7237, 34.9218



2.1967, 1.0677, 3.0268

Previews

White Background



This preview shows how the XYZ color 46.4907, 42.1409, 87.3450 looks on a white background.

Color Contrast Check

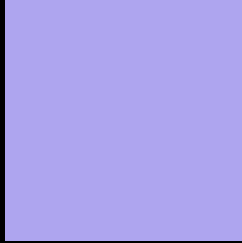
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.4907, 42.1409, 87.3450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4907, 42.1409, 87.3450

Background



This preview shows how black text looks on a background with the XYZ color 46.4907, 42.1409, 87.3450.



This preview shows how white text looks on a background with the XYZ color 46.4907, 42.1409,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.4907, 42.1409, 87.3450

Protanopia

43.6545, 42.2368, 91.4396

Deuteranopia

43.3220, 42.1689, 86.7450



Tritanopia

39.8251, 42.2266, 54.1956

Trichromacy



Original Color

46.4907, 42.1409, 87.3450

Protanomaly

44.5131, 42.1577, 89.7956

Deuteranomaly

44.3185, 42.1260, 86.6842

Tritanomaly

41.9738, 41.9556, 64.9175

Monochromacy



Original Color

46.4907, 42.1409, 87.3450

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.7405, 42.7425, 60.0303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4907, 42.1409, 87.3450 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(174, 165, 239)` looks like.

```
.text, #text, p{  
    color:rgb(174, 165, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(174, 165, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 165, 239) }
```

Border

The CSS property to change the border of an element to XYZ 46.4907, 42.1409, 87.3450 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(174, 165, 239) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(174, 165, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(174, 165, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 165, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 165, 239);  
box-shadow:4px 4px 4px 4px rgb(174, 165,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4907, 42.1409, 87.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 165, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(174,  
165, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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